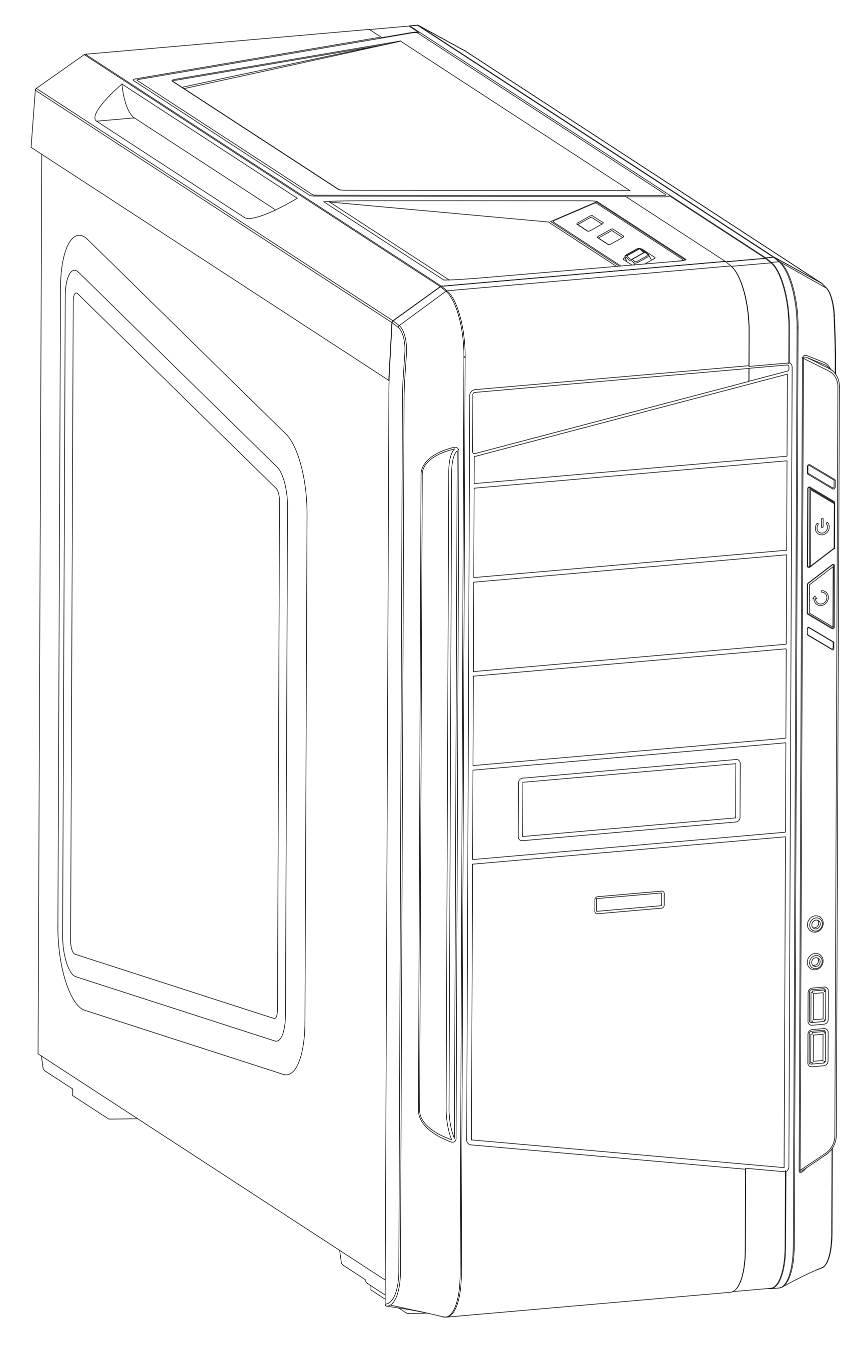
User Manual

ZALMAN

ATX MID TOWER
Z12 SERIES

English / 한글 / français / Español



- 설치 전 취급 설명서를 반드시 읽어 보시기 바랍니다.
- To ensure safe and easy installation, Please read the following precautions.

Ver 201210

English



1 Cautionary Note

1) Please read this manual thoroughly prior to installation.
2) Before installing, check the components and condition of the product, and if any problem is found, contact the retailer.
3) Avoid inserting objects or hands into the system while it is in operation to prevent product damage and injuries.
4) Check the manual when connecting cables. Incorrect connections may cause short circuits leading to fire hazards.
5) Do not block the front intake vent or the rear exhaust vent.
6) Keep this unit away from heat sources, direct sunlight, water, oil, and humid environments, and place the unit on a flat, stable, vibration-free, and well-ventilated area.
7) Do not clean the product surface with chemicals or wet cloth. (chemicals: industrial brightener, wax, benzene, alcohol, paint thinner, mosquito repellent, aromatics, lubricant, detergent etc.)
8) Please wear gloves while handling this product to prevent injuries.
9) Product design and specifications may be revised to improve quality and performance.

Disclaimer) Zalman Tech Co., Ltd. is not responsible for any damages due to external causes, including but not limited to, improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation, or improper testing.

ENG

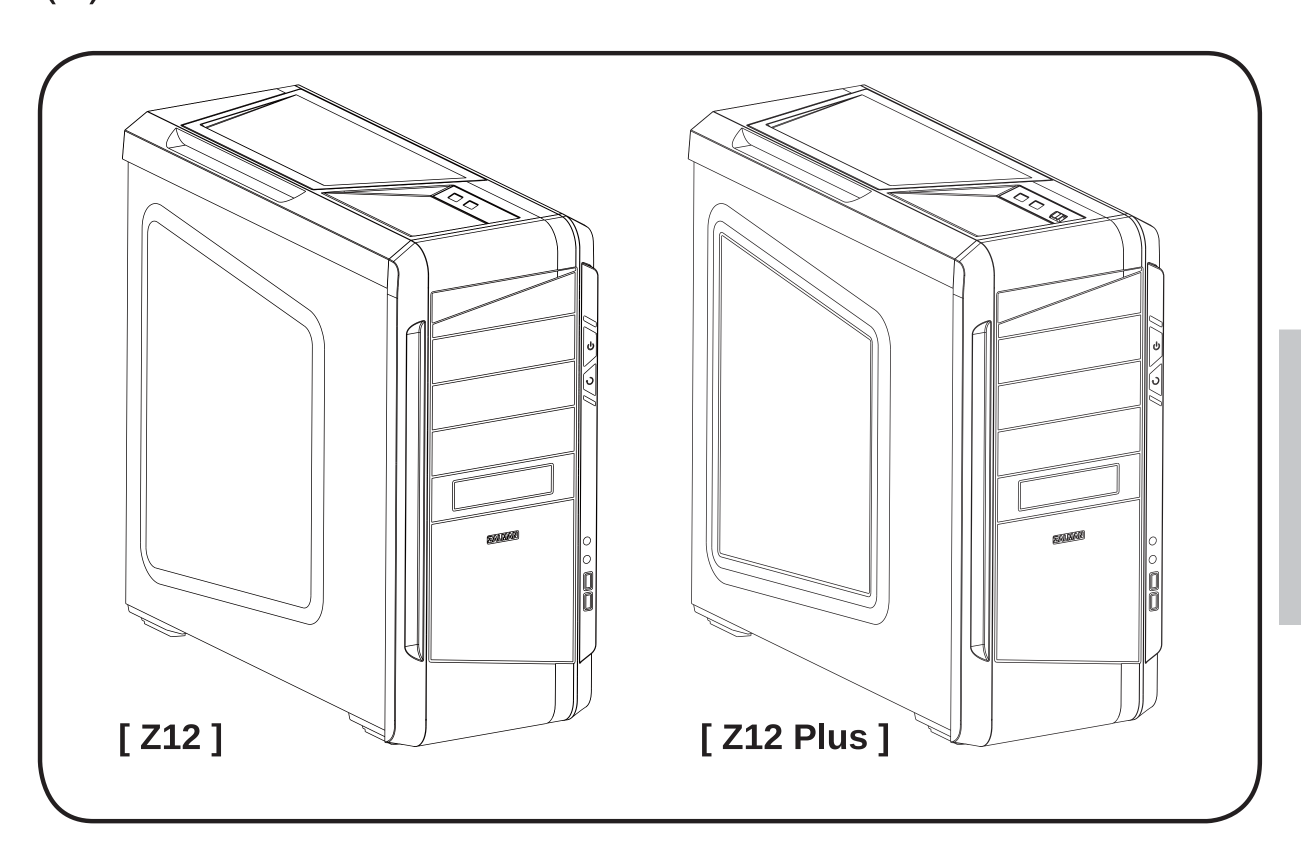


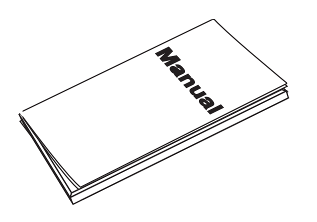
2 Product Details

(1) Specifications

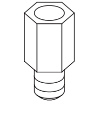
Model Name		Z12	Z12 Plus
Type		ATX Mid Tower	
Dimensions (W x H x D)		215(W) x 470(H) x 480(D) mm 8.4(W) x 18.5(H)x 18.8(D) inch	
Weight		7 kg / 15.43 lb	
Materials		Plastic(ABS) / Steel	
Color		Black	
Motherboard Compatibility		Standard ATX / Micro ATX	
Power Supply Compatibility		Standard ATX / ATX 12V	
PCI/AGP Compatibility		Full Size (290mm/11.4 inch)	
Drive Bays	5.25"	External Bay x 4	
	3.5"	Internal Bay x 5	
	2.5"	Internal Bay x 1	
	Common (3in1)	Internal Bay 5.25"/3.5"/2.5" x 1 (3in-1)	
Cooling Components	Front	1 x 120mm Fan (1 Blue LED Fan Included)	
	Rear	1 x 120mm Fan (1 Fan Included)	
	Top	2 x 120mm Fan (2 Optional)	2 x 120mm Blue LED Fan (1 LED Fan Included , 1 Optional)
	Bottom	1 x 120mm Fan (1 Optional)	
Fan Controller		-	2 channel
Front I/O Port Panel		Headphones x 1, Mic x 1, USB 2.0 x 2, USB 3.0 x 2	
Expasion Card Slots		7	

(2)Parts

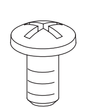




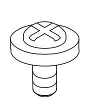
User manual



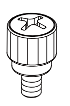
Stand-Off × 5



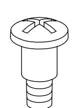
Bolt A
(#6-32*6mm) × 11
[PSU, PCI]



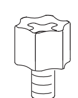
Bolt B
(M3*5mm) × 17
[M/B, FDD, SSD]



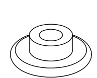
Bolt C
(M3*6mm) × 12
[5.25"Bay ODD]



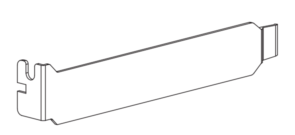
Bolt D
(#6-32*4mm) × 20
[3.5" Bay HDD]



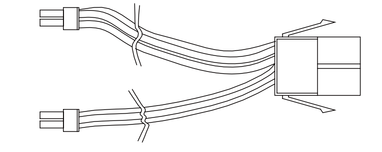
Bolt E
(#6-32*6mm) × 5
[3.5" HDD]



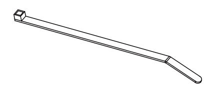
HDD
Anti-vibration rubber × 20
[3.5" Bay HDD]



PCI Slot × 2



CPU 12V Extension Cable × 1



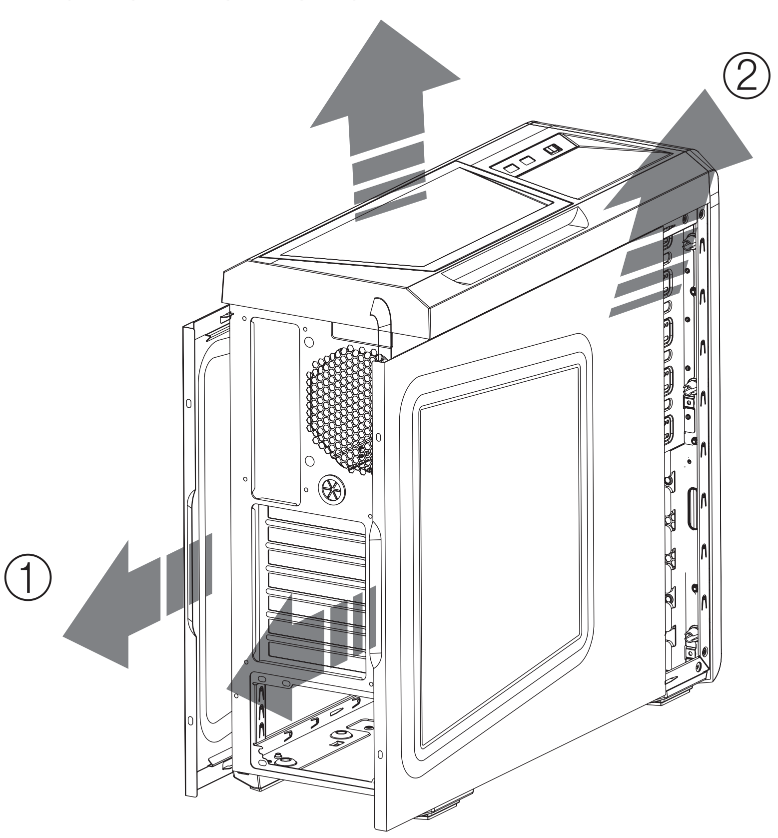
Cable Tie × 5

ENG



3 Installation

(1) Side Panel Removal



(2) Motherboard Installation

There are 4 Stand Offs preinstalled. Please refer to the diagrams below for additional Stand Off positions (based on motherboard type).

ATX Board

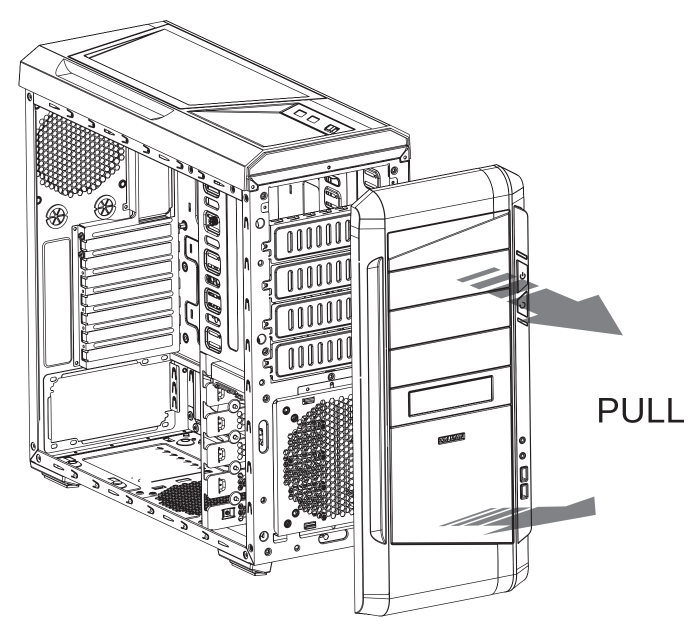
or

m-ATX Board

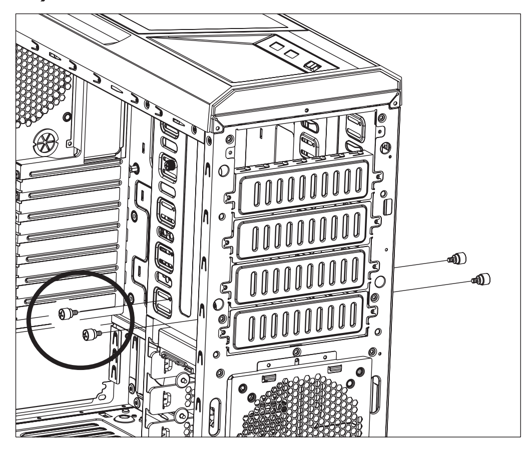
	Stand-Off
	B Bolt

(3) 5.25” and 3.5” Drive Installation

1) Front Cover Removal



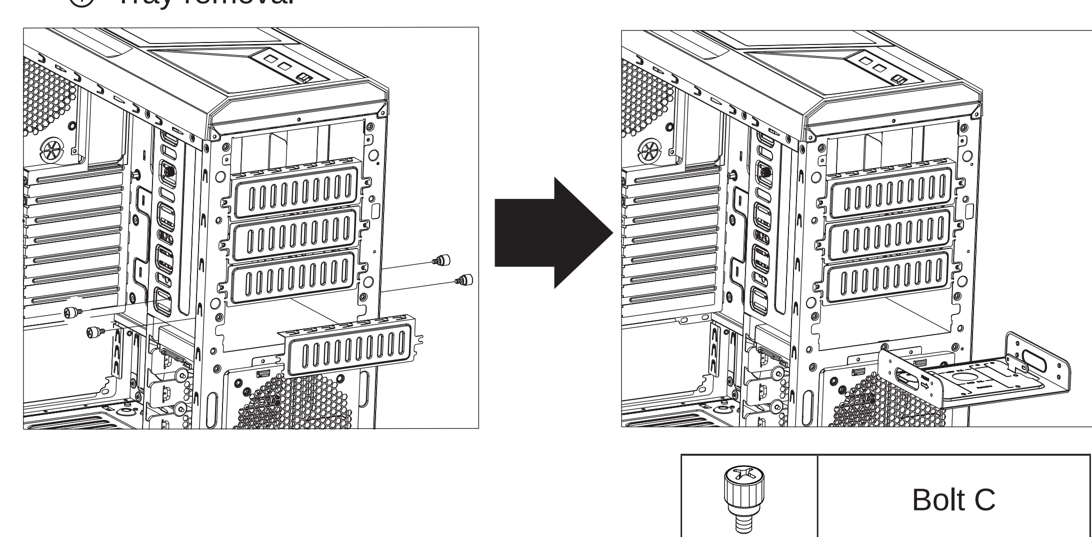
2) ODD Installation





3) 2.5” / 3.5” Tray Installation

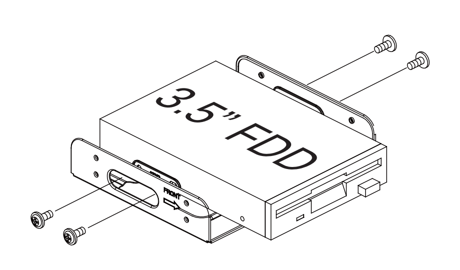
① Tray removal

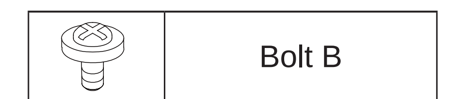


	Bolt C

② Attach Drive to Tray

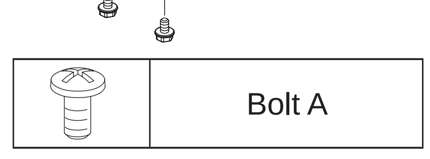
A. 3.5” FDD Installation





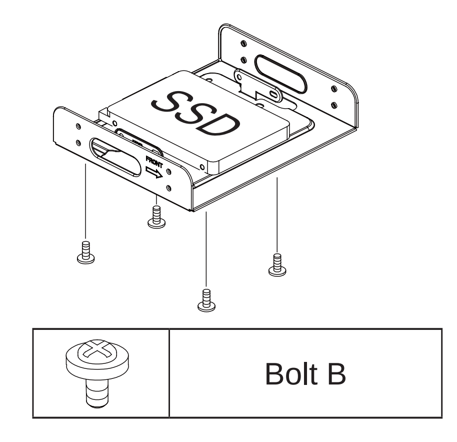
	Bolt B

B. 3.5” HDD Installation



	Bolt A

C. 2.5” SSD Installation

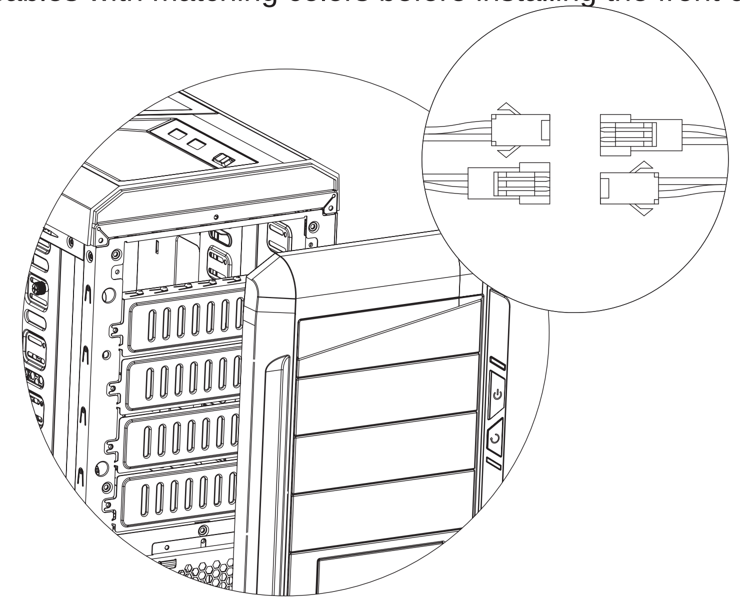


	Bolt B

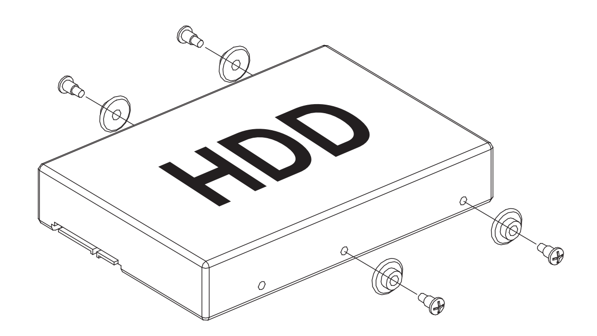
(4) Front Cover Installation



When removing the front cover, the power switch and extension cable are separated to prevent disconnection. Be sure to connect the cables with matching colors before installing the front cover.

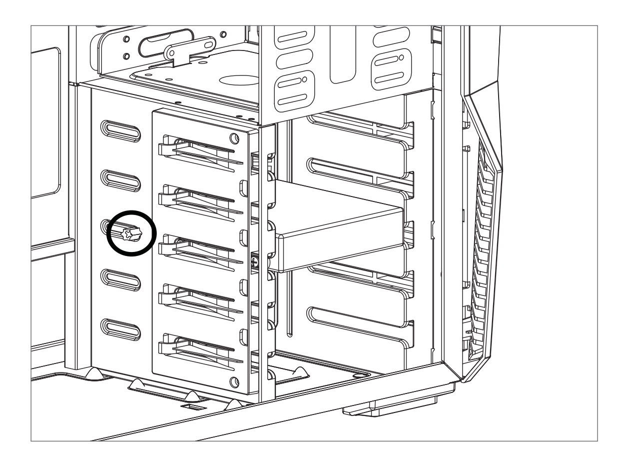


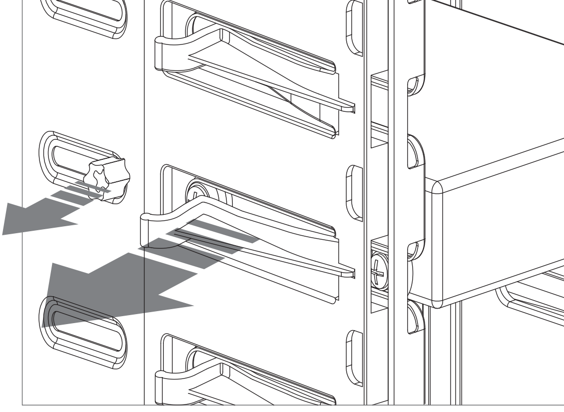
(5) 3.5” HDD Installation



	Bolt D
	HDD Anti-vibration rubber

ENG





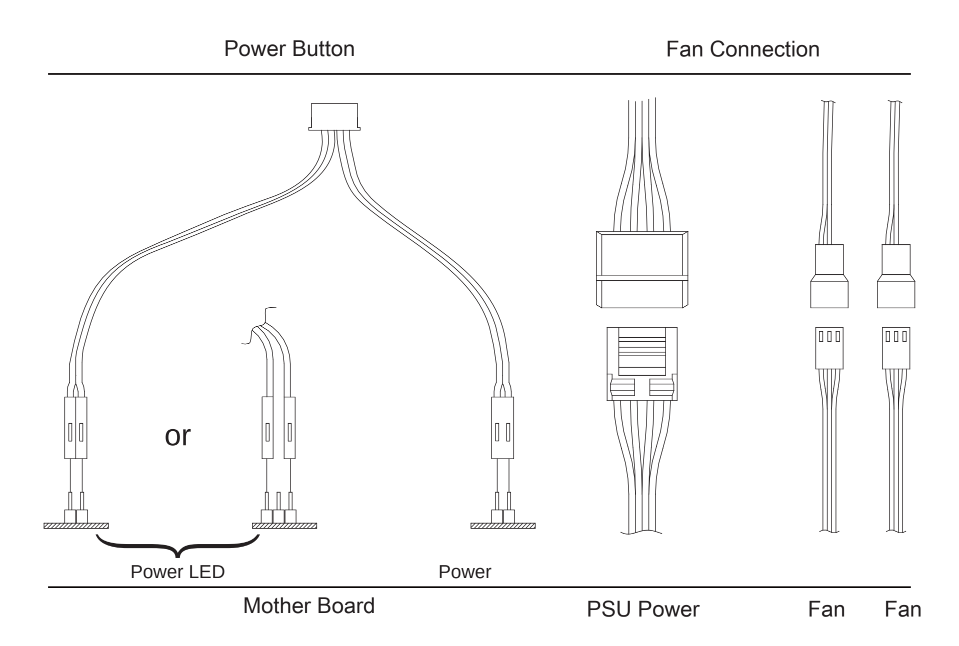
When transporting an assembled system, please secure the HDD with Bolt E as shown above.

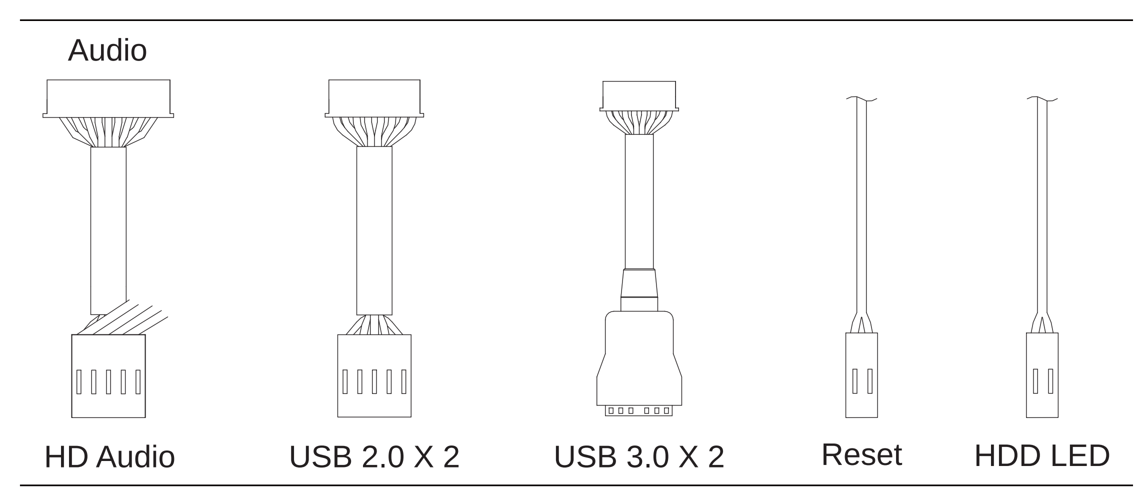
When removing HDD, pull the fastening lever outwards and then remove it.



	Bolt E

(6) Cable Connection

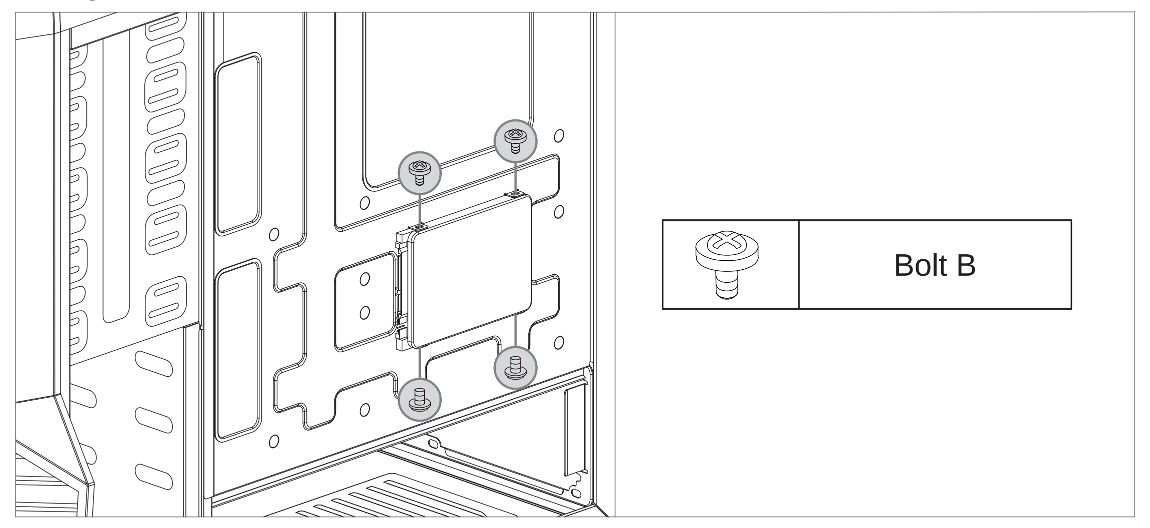




※ Please refer to your motherboard manual for information regarding power and I/O port pinouts.

(7) 2.5” HDD / SSD Optional

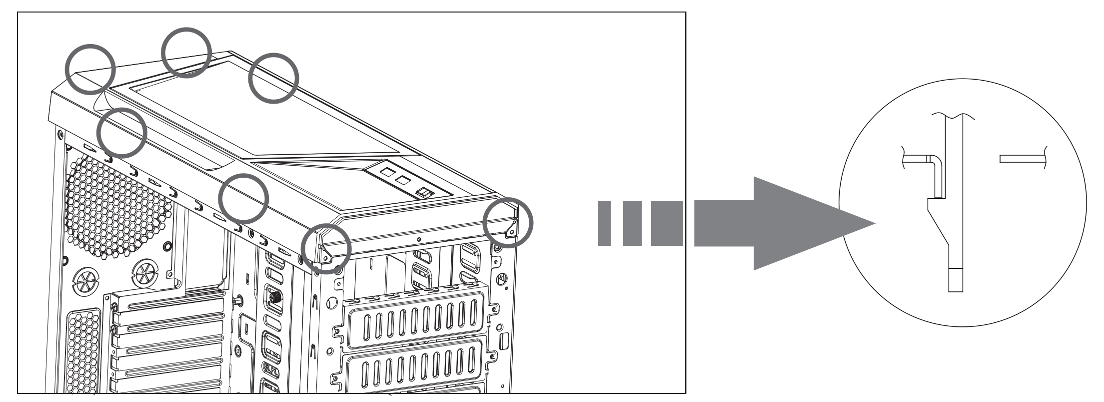
2.5" HDD and SSDs can be installed on the right side of case as shown in the diagram below.



(8) Optional Fan Installation and Replacement

Top Panel Fan (120/140 mm) Installation

When installing fan, press the Top Panel’s eight Hook’s towards each other to remove and install as shown in diagram below. The Z12 comes with one 120mm Fan pre-installed.



français

1 Précautions

1) Assurez-vous d'être bien informé du manuel du produit avant son installation
2) Assurez-vous de vérifier l'état des composants et des produits, et s'il vous plaî consulter votre revendeur quand il y a une erreur
3) Ne pas mettre la main ou des objets dans le produit actif. Cela peut nuire au corps humain et au produit.
4) Veillez à connecter les câbles après avoir consulté le manuel. Sinon, il y a un risque d'incendie dû à un court-circuit si vous les connectez incorrectement.
5) Veillez à ne pas bloquer les aérations à l'avant et à l'arrière du produit.
6) Installez le produit dans des endroits aérés, plats, et exempt de vibrations sans lumière solaire directe, chaleur générée par le chauffage, éclaboussures d'eau (pluie),ou beaucoup d'humidité et d'huile.
7) Ne pas nettoyer le produit avec des produits chimiques (produits chimiques, cirages industrielles, cires, benzène, alcool, dissolvant, antimoustiques, assainisseur d'air, lubrifiant, détergent, etc.)
8) Nous ne sommes pas responsables des problèmes causés par une mauvaise installation. Par conséquent, s'il vous plaît n'oubliez pas de consulter le guide d'installation..
9) Nous ne prenons aucune responsabilité pour les problèmes qui se produisent en raison d'une utilisation autre que l'usage prévu
10) Assurez-vous de porter des gants pour éviter les blessures ou les accidents lors de la manipulation de ce produit.
11) La conception ou les spécifications sont sujettes à modification sans préavis aux clients afin d'améliorer la qualité du produit.

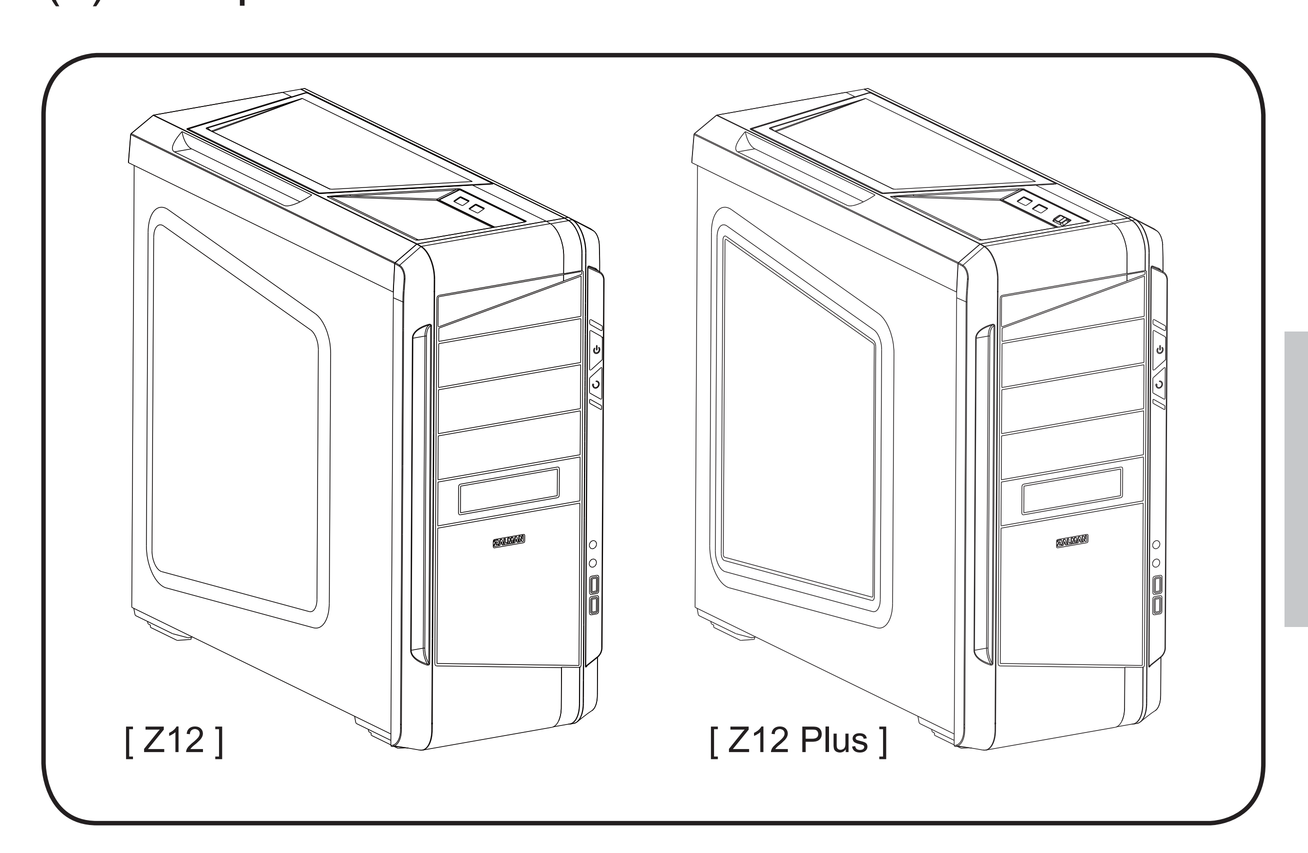


2 Présentation du produit

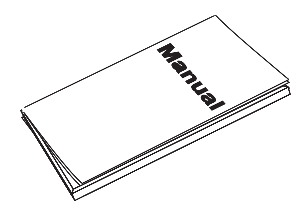
(1) Spécifications du produit

Nom du modèle		Z12	Z12 Plus
Type		ATX Mid Tower	
Dimensions (L×H×P)		215(L) x 470(H) x 480(P) mm 8.4(L) x 18.5(H)x 18.8(P) inch	
Poids (avec emballage)		7 kg / 15.43 lb	
Matériel		Plastique (ABS) / Acier	
Couleur		Noir	
Standard de carte mère supportée		Standard ATX / Micro ATX	
Standard de charge d'alimentation supportée		Standard ATX / ATX 12V	
Carte VGA		Taille complète (290mm/ 11.4 pouces)	
Baie de lecteur	5.25"	External Bay x 4	
	3.5"	Internal Bay x 5	
	2.5"	Internal Bay x 1	
	Common (3in1)	Baie interne de 5.25”/3.5”/2.5” × 1 (3 dans 1)	
Facteurs de composants pour le refroidissement	Front	1× 120 mm (installation basique d'un ventilateur à LED bleu)	
	Rear	1 × 120 mm (une installation basique)	
	Top	2× 120 mm de ventilateur (2 option)	2× 120 mm de ventilateur à LED bleu (installation basique d'un LED, 1 option)
	Bottom	1 × 120 mm de ventilateur (1 option)	
Dispositif de commande de ventilateur		-	Soutien (2 canaux)
Ports d'E/S en haut		casque × 1, Mic × 1, USB 2.0 × 2, USB 3.0 × 2	
Slot d'extension		7	

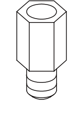
(2) Composants



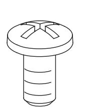
FRE



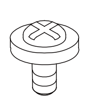
Instructions



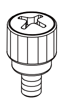
Stand-Off × 5



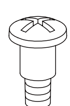
Boulon A
(# 6-32*6mm) × 11
[PSU,PCI]



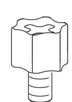
Boulon B
(M3*5mm) × 17
[M/B, FDD, SSD]



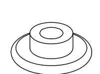
Boulon C
(M3*6mm) × 12
[5.25"Bay ODD]



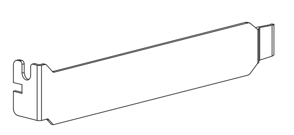
Boulon D
(#6-32*4mm) × 20
[3.5" Bay HDD]



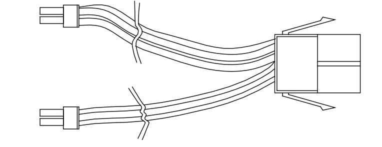
Boulon E
(#6-32*6mm) × 5
[3.5" HDD]



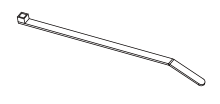
HDD isolateur de vibrations en caoutchouc × 20
[3.5" Bay HDD]



PCI Slot × 2



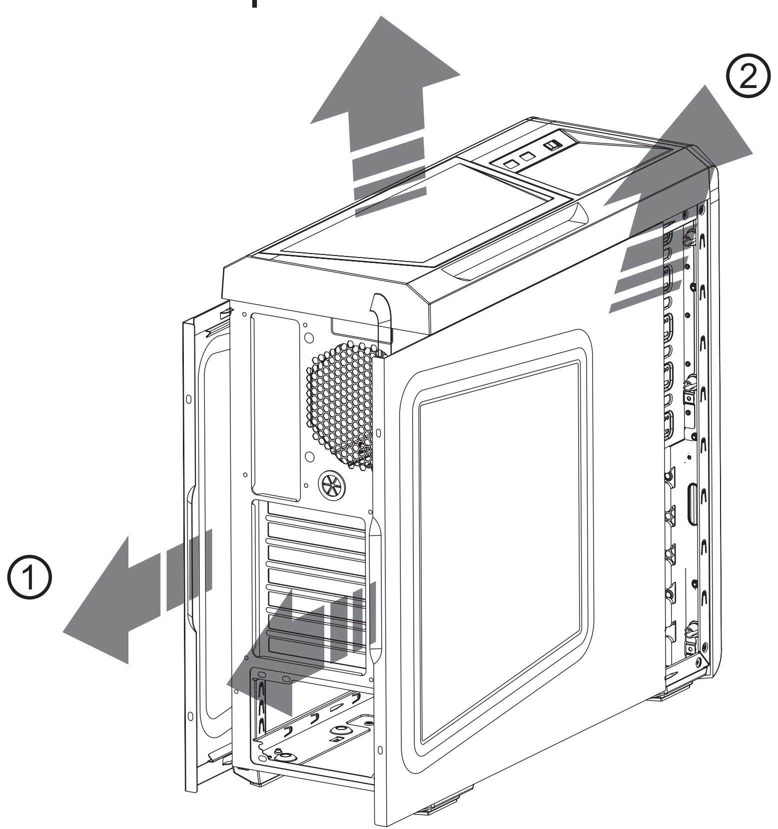
Câble d'extension de CPU × 1



Attache de câble × 5

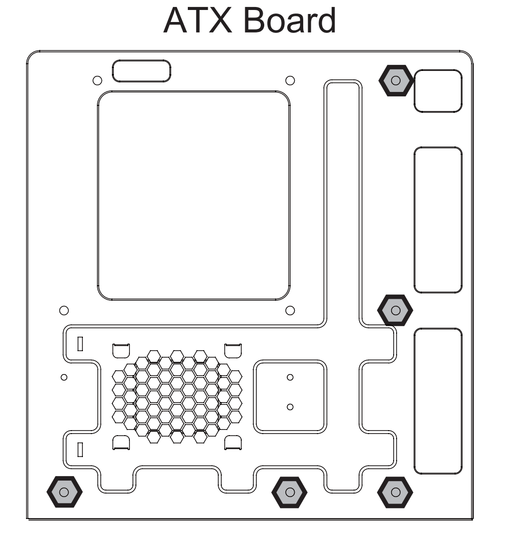
3 Méthodes d'installation

(1) Séparation du panneau latéral

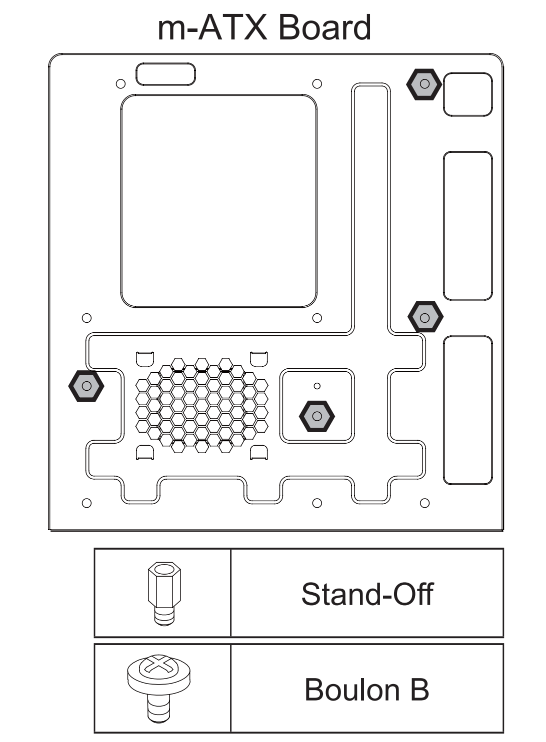


(2) Installation de la carte mère

Carte mère est équipée de 4 stand-offs de base. Insérer stand-off supplémentaire en fonction du type de carte mère avec la référence de la figure ci-dessous, et monter la carte mère dans le boîtier avec la boulon B.

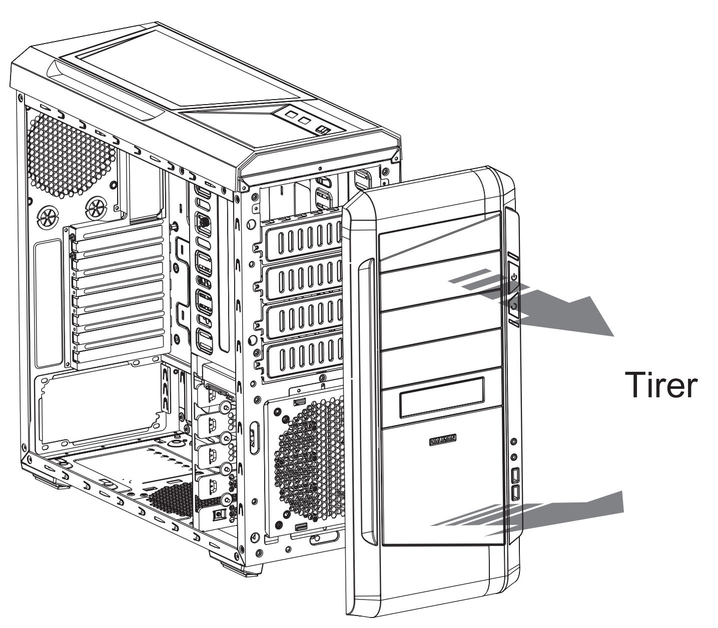


or

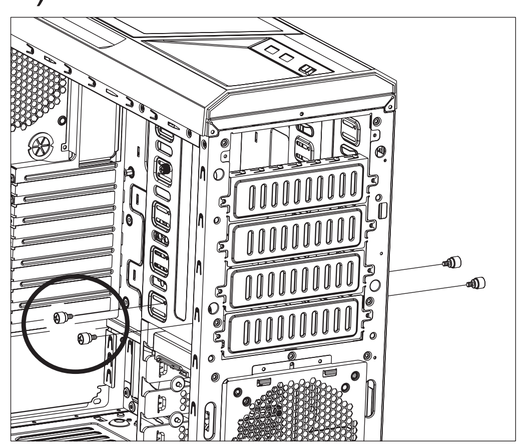


(3) Installation des lecteurs de 5.25” et 3.5”

1) Séparation de couvercle avant



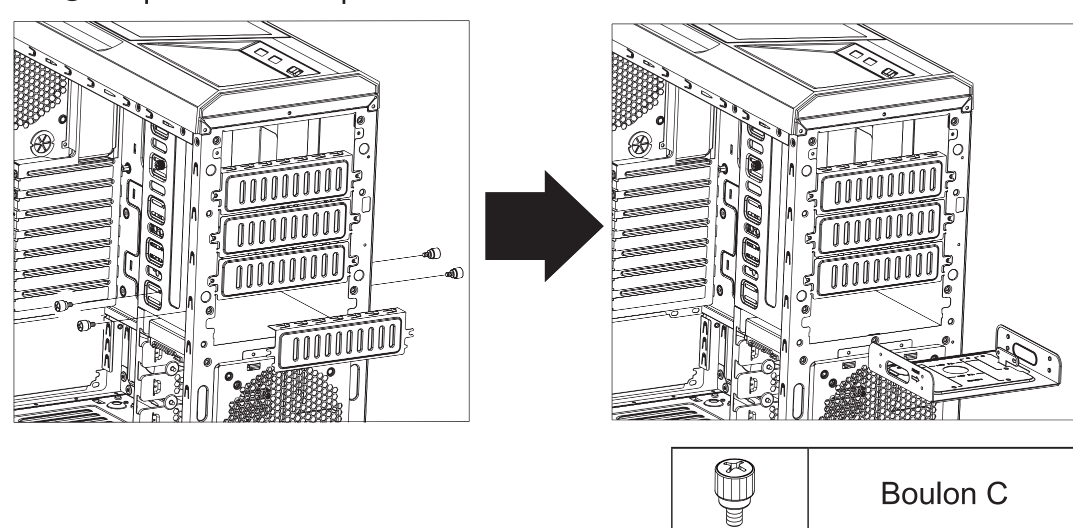
2) Installation de l’ODD





3) Installation des plateaux de 2.5” et 3.5”

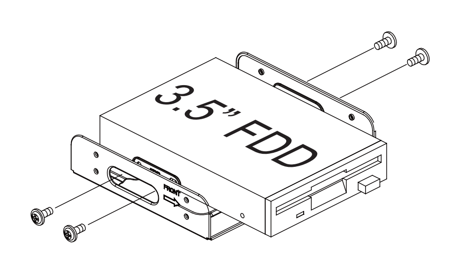
① Séparation de la plateau



	Boulon C

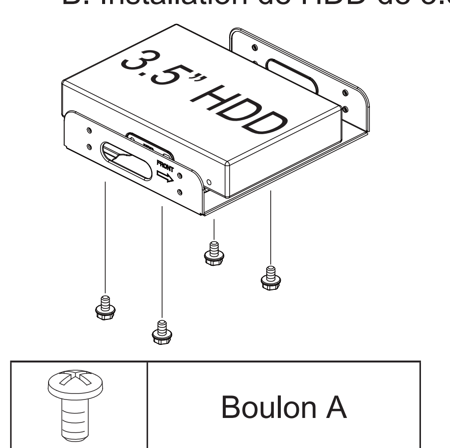
② Montage du lecteur dans le plateau

A. Installation de FDD de 3.5”

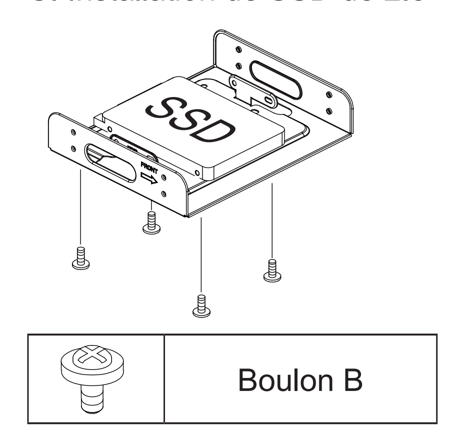




B. Installation de HDD de 3.5”



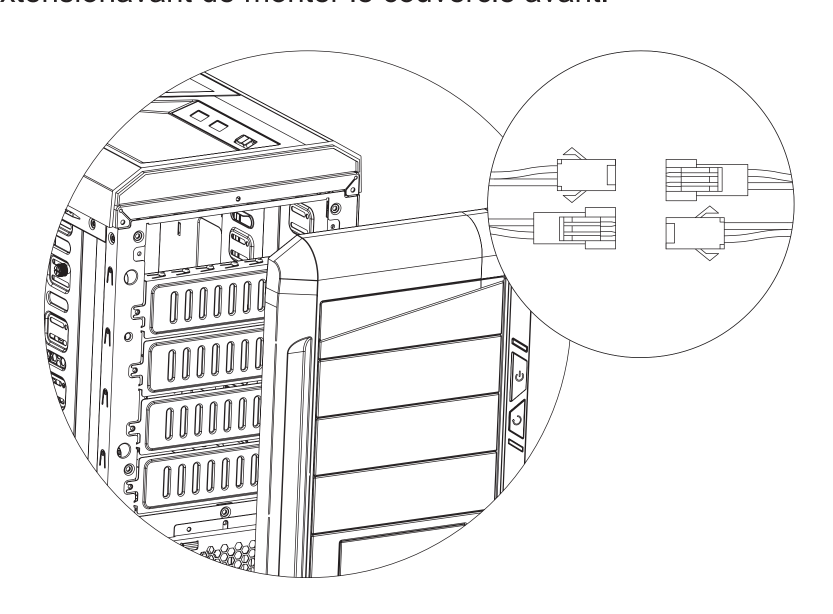
C. Installation de SSD de 2.5”



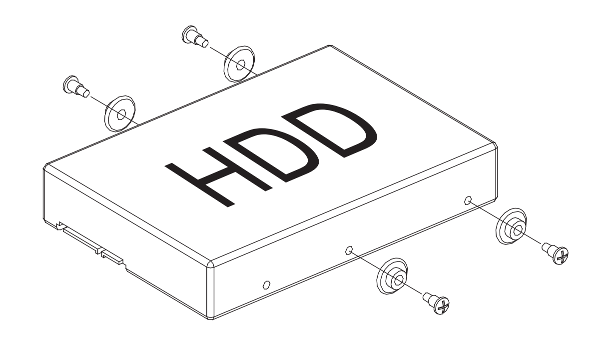
(4) Montage du couvercle avant



Le bouton d'alimentation et le câble d'extension sont séparés pour éviter le débranchement du câble lors du retrait de couvercle avant . Veillez à raccorder le bouton d'alimentation et le câble d'extensionavant de monter le couvercle avant.

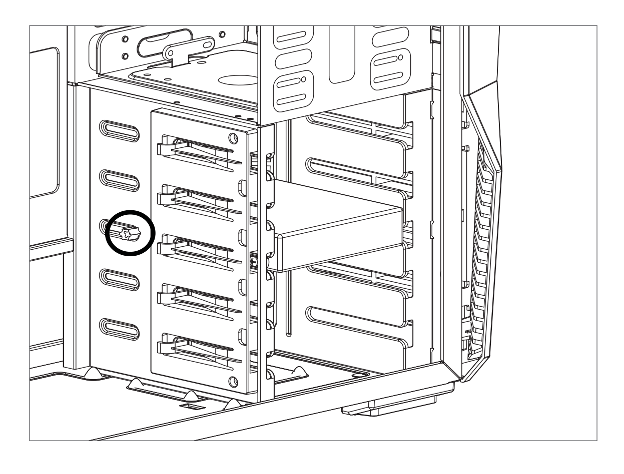


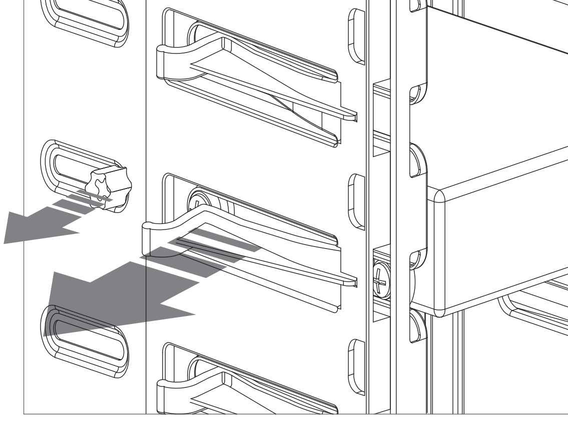
(5) Montage de HDD de 3.5”



	Boulon D
	HDD isolateur de vibrations en caoutchouc

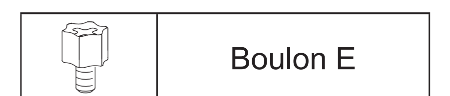
FRE





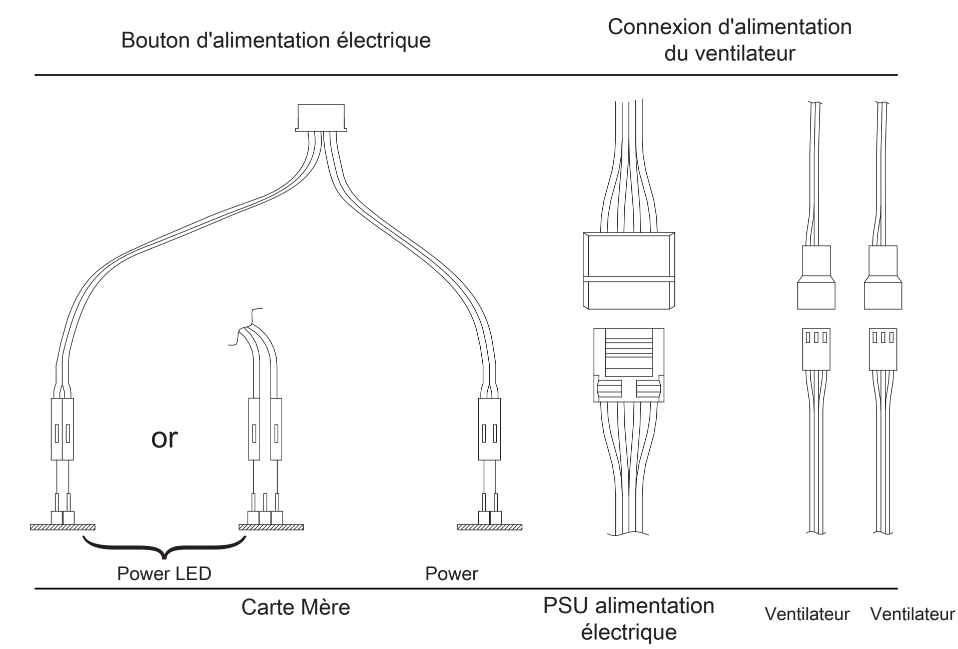
Lorsque vous déplacez le système après l'assemblage, s'il vous plaît fixer HDD à cet endroit avec la boulon E.

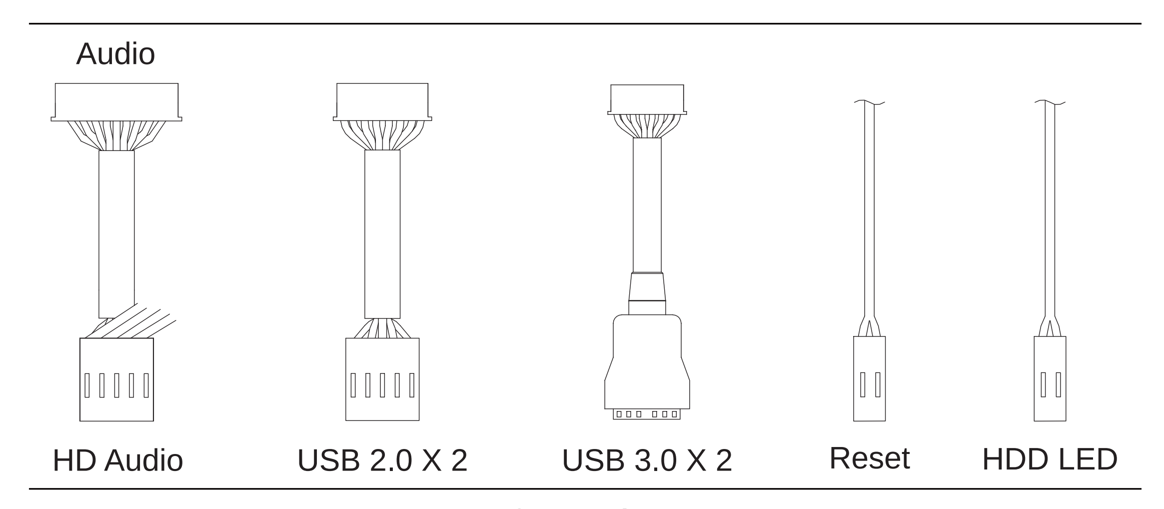
Lorsque vous séparez HDD, s'il vous plaît enlever les boulon et tirez le levier de fixation.



	Boulon E

(6) Connexion des câbles

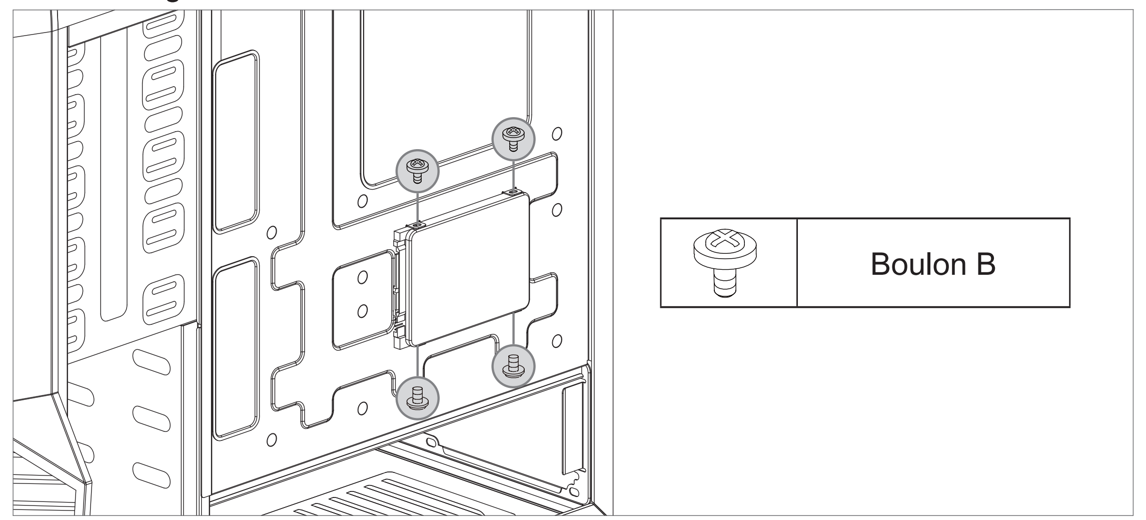




* Al conectar la potencia y puerto I/O, referir al manual de tabla madre.

(7) Montage additionnel de HDD / SDD de 2,5"

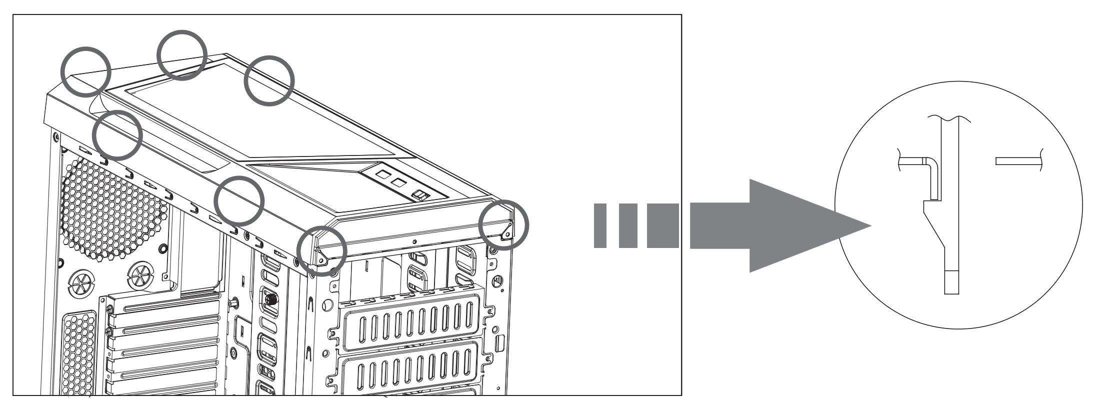
Vous pouvez monter et utiliser SDD sur le côté droit du boîtier, comme indiqué dans la figure suivante.



(8) Installation des ventilateurs supplémentaires ou remplacement (option)

Remplacement du ventilateur en haut (Ventilateur de 120/140mm peut êtreinstallé)

Lors du remplacement ou du réglage du ventilateur, s'il vous plaît séparer couvercle avant en appuyant sur 8 crochets vers l'intérieur et installer comme indiqué dans la figure ci-dessous. Z12 est fondamentalement équipé de deux ventilateurs de 120mm.



Español

1 Precauciones

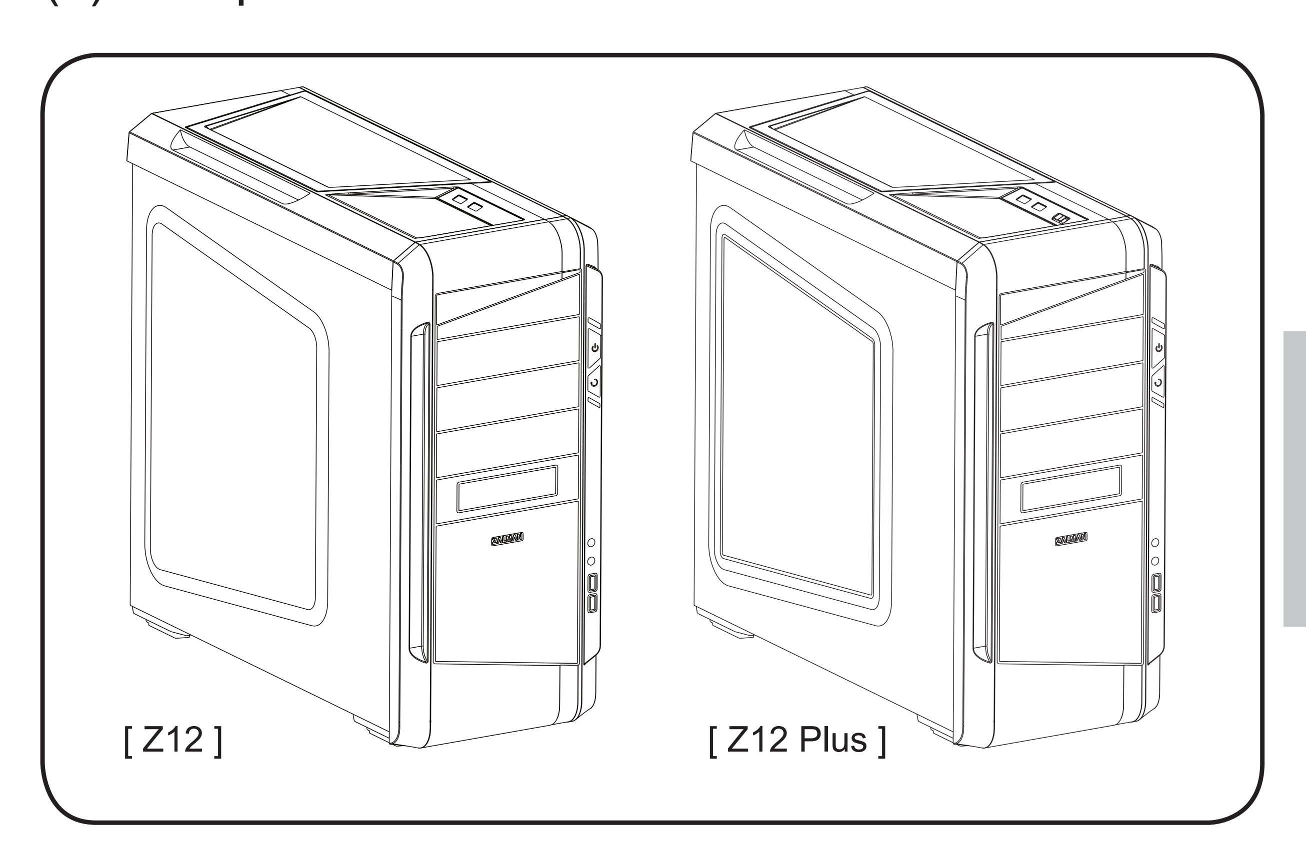
1) Antes de instalar, leer rápidamente las insturcciones del producto
2) Antes de instalar, verificar el estado del productos y los componentes y en caso de quehaya anomalías consulte con el departamento de compras
3) No introducir las manos u objetos en los productos en movimiento. Puede causar danos al producto o al cuerpo.
4) Al conectar los cables, conecte los cables después de verficar el manual. En caso demal coneccion hay peligro de fuego por corto circuito.
5) Precaucion en que el ventilador de la parte frontera y trasera del producto no este obstruido.
6) Evitar lugares que hay calor como lugares con rayo de sol directo o alrededor de calefacciones, lugares que salpica agua (lluvia), lugares con mucho aceite o humedad e instalar en lugares que conduzca mucho aire, plano y que no haya vibraciones.
7) No limpiar la superficie del producto con medicamentos químicos. (Medicamentos químicos, barniz industrial, cera, benceno, alcohol, diluyente, medicamento para zancudos, aromatico, lubricante, abluente, etc)
8) La compañía no será responsable sobre los problemas ocurridos por mal instalaciónpor lo tanto instalar el producto a referencia del manual.
9) La compañía no será responsable sobre los problemas ocurridos por el uso además del uso determinado
10) Para prevención de accidentes y heridas durante el manejo de este producto, usar guantes de seguridad
11) El diseño exterior y el modelo del producto puede ser cambiado sin aviso previo al consumidor para el mejoramiento de calidad del producto.

2 Detalle del producto

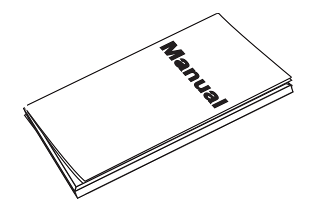
(1) Especificaciones del producto

Nombre de Modelo		Z12	Z12 Plus
Type		ATX Mid Tower	
Tamano (WxHxD)		215(W) x 470(H) x 480(D) mm 8.4(W) x 18.5(H)x 18.8(D) inch	
Peso (con caja)		7 kg / 15.43 lb	
Materia		Plastico (ABS) / Metal	
Color		Negro	
Estándar de Tarjeta Madre de soporte		ATX Estandar / Micro ATX	
Estandar de fuente de poder		ATX Estandar / ATX 12V	
Tarjeta VGA		Tamano completo (290mm/11.4 pulgadas)	
Bahía de disco	5.25"	External Bay x 4	
	3.5"	Internal Bay x 5	
	2.5"	Internal Bay x 1	
	Common (3in1)	Bahia interno 5.25”/3.5”/2.5” x 1 (3en1)	
Componente de Cooling	Front	1 x 120 mm Abanico (1 Abanico LED azul equipadobásico)	
	Rear	1 x 120 mm Abanico (1 equipado básico)	
	Top	2 x 120 mm Abanico (2 opcion)	2 x 120 mm Abanico (1 Abanico LED azul equipado básico, 1 opcion)
	Bottom	1 x 120 mm Abanico (1 opcion)	
Dispositivo de control Abanico		-	Soporte (2 canales)
Puerto I/O superior		Audifono x 1, Mic x 1, USB 2.0 x 2, USB 3.0 x 2	
Ranura de expansion		7	

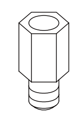
(2) Componentes



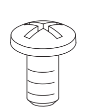
ESP



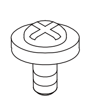
Manual



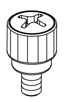
Stand-off x 5



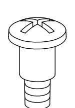
Perno A
(# 6-32*6mm) × 11
[PSU,PCI]



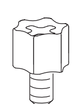
Perno B
(M3*5mm) × 17
[M/B, FDD, SSD]



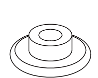
Perno C
(M3*6mm) × 12
[5.25"Bay ODD]



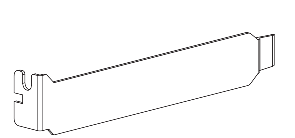
Perno D
(#6-32*4mm) × 20
[3.5" Bay HDD]



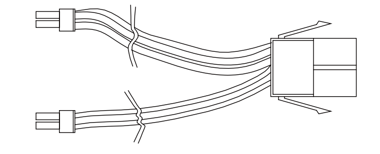
Perno E
(#6-32*6mm) × 5
[3.5" HDD]



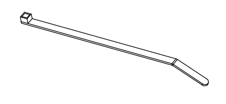
HDD hule antipolvo x 20
[3.5" Bay HDD]



Ranura PCI x 2



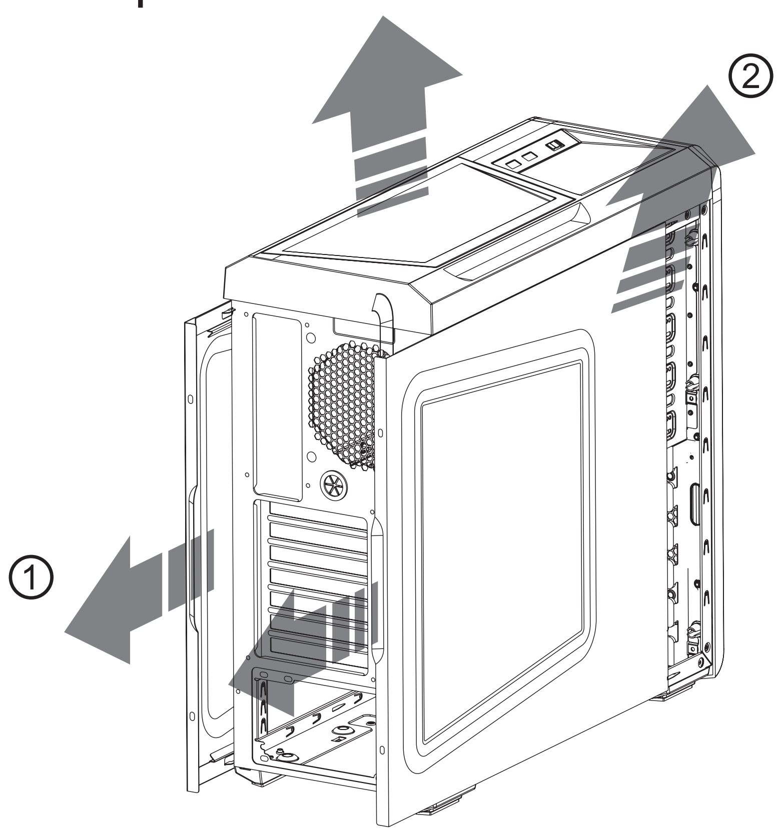
Cable extension CPU × 1



Lazo de Cable × 5

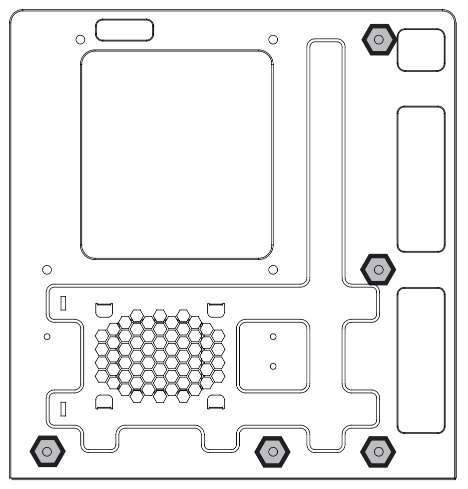
3 Metodo de Instalacion

(1) Remover panel lateral

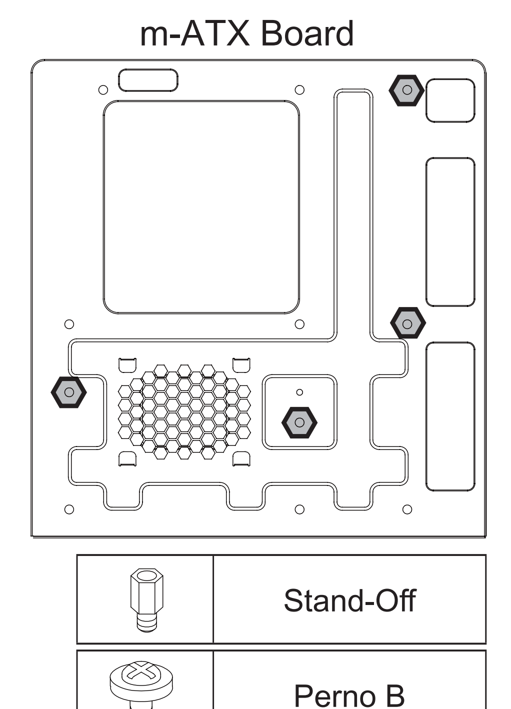


(2) Instalacion de Tabla Madre

Tiene equipado basicamente 4 Stand-off, agregue el Stand-off segun el tipo de Tabla Madre referiendose al dibujo de abajo y equipe la tabla madre en la caja con el perno B.

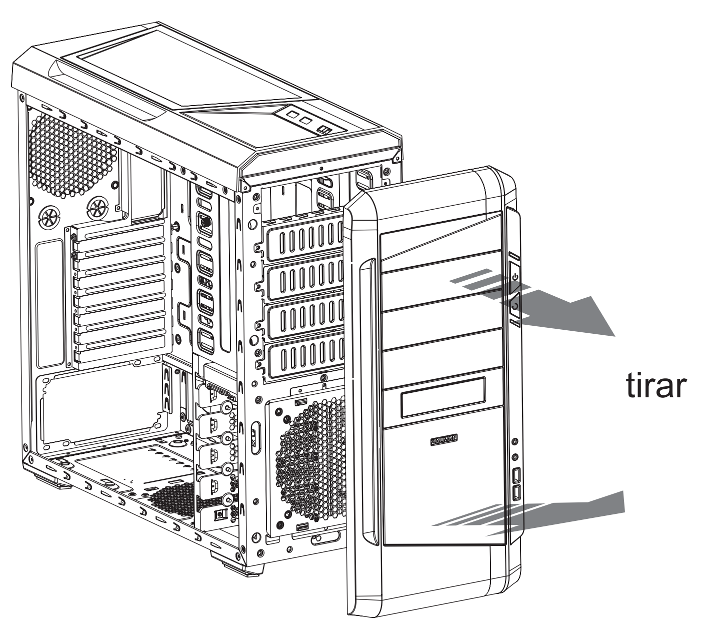


or

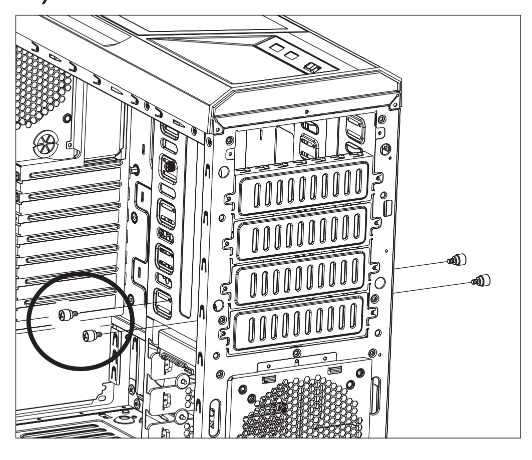


(3) Instalacion de disco 5.25” y 3.5”

1) Remover tapa delantero



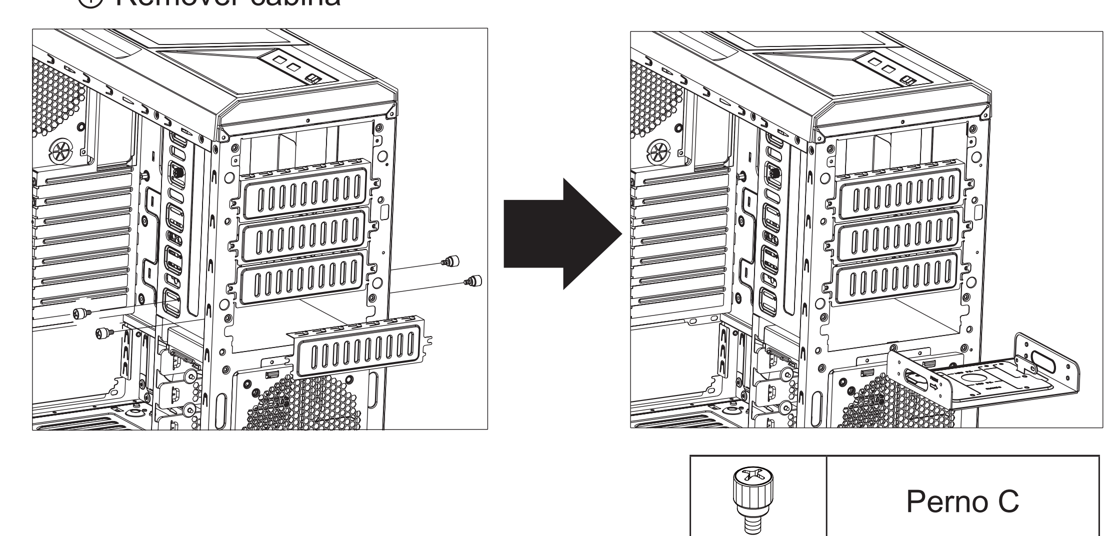
2) Instalar ODD





3) Instalar cabina 2.5”/3.5”

① Remover cabina

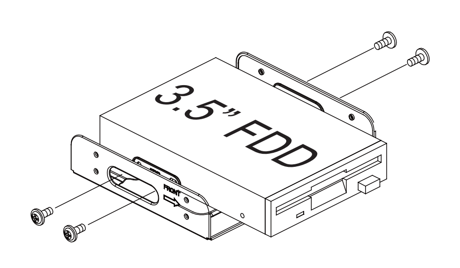


	Perno C

ESP

② Equipar disco en cabina

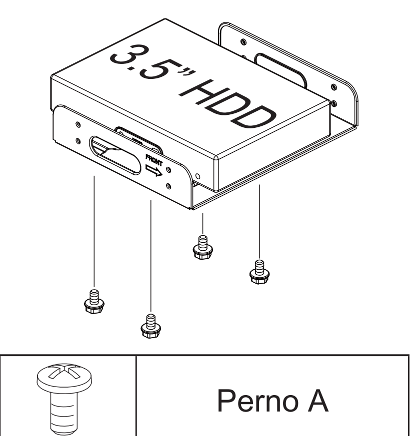
A. Al instalar 3.5" FDD





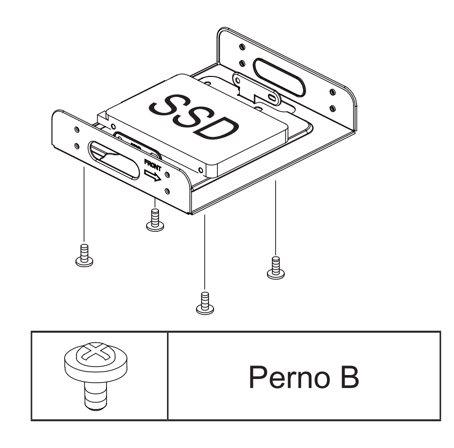
	Perno B

B. Al instalar 3.5" HDD



	Perno A

C. Al instalar 2.5" SSD

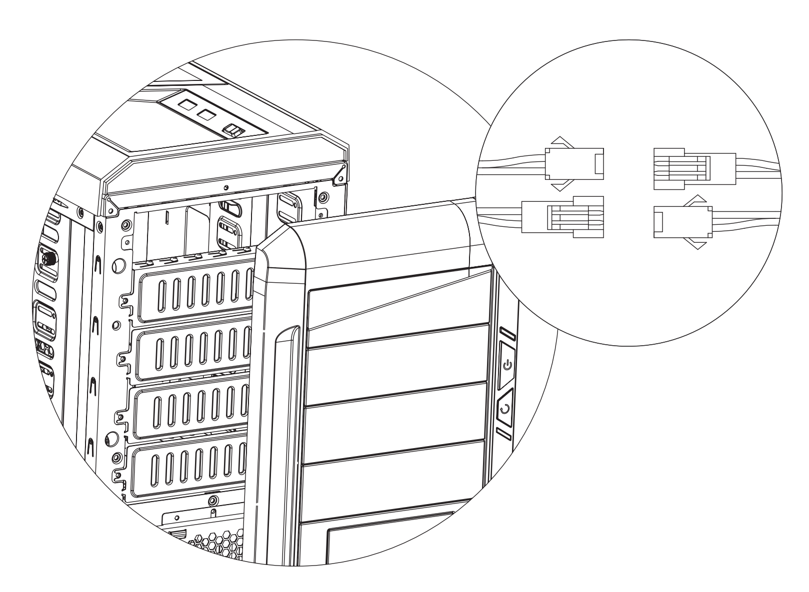


	Perno B

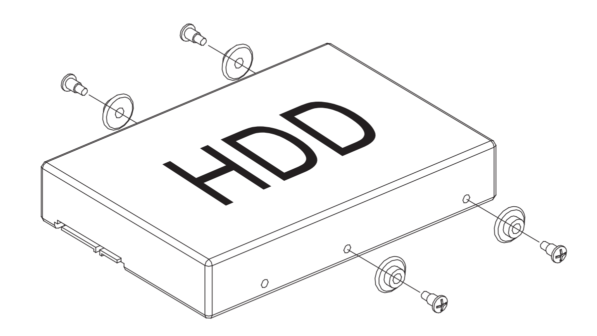
(4) Equipar tapa delantera



Al remover la tapa delantera para evitar la ruptura del cable, el cable de extensión esta separado del botón de potencia. Antes de equipar la tapa delantera conecte el cable de extensión con el botón de potencia.

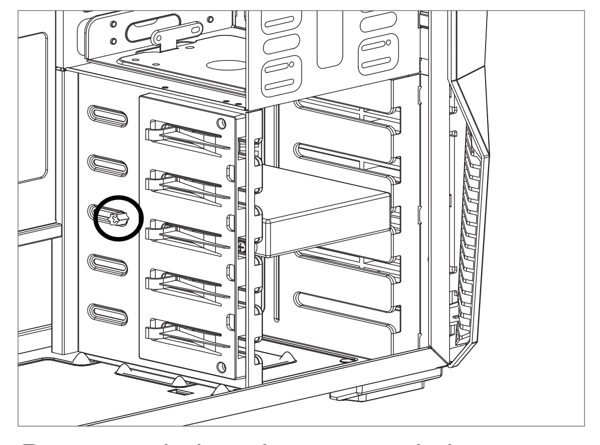


(5) Instalacion de 3.5” HDD

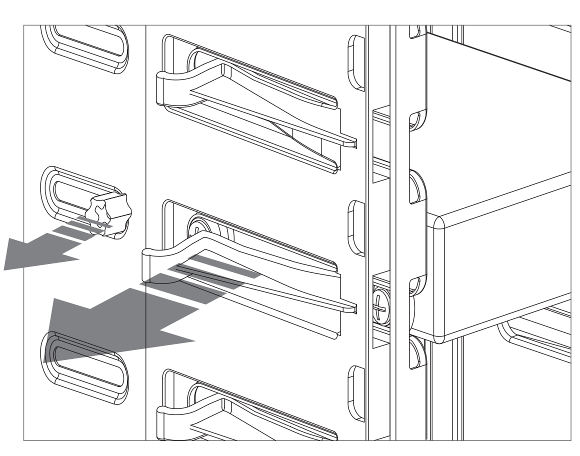


	Perno D
	Hule de protección

ESP



Despues de instalar y usar el sistema, fijar el HDD con el perno E en la posición relevante.

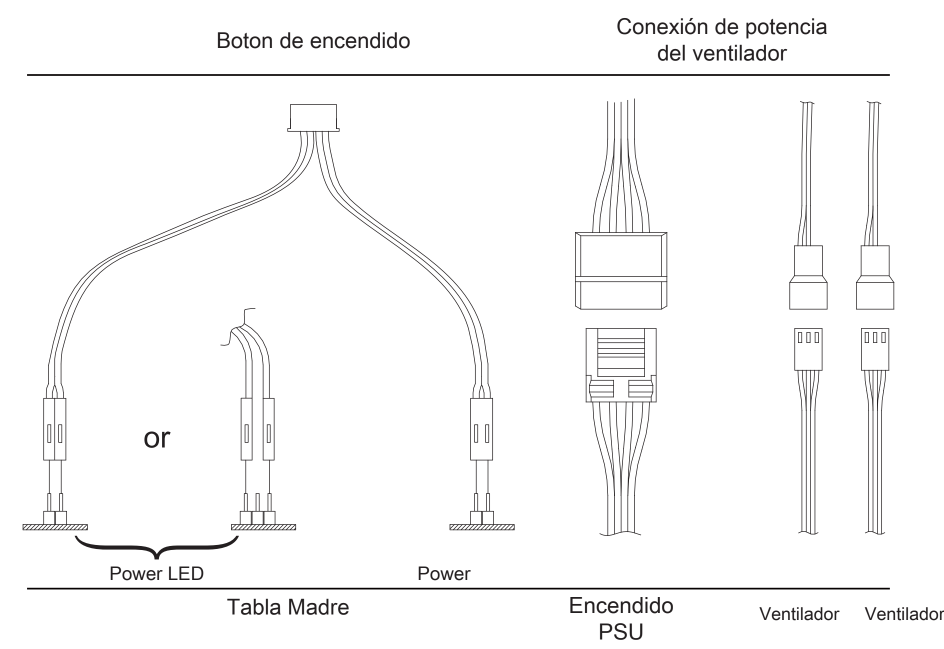


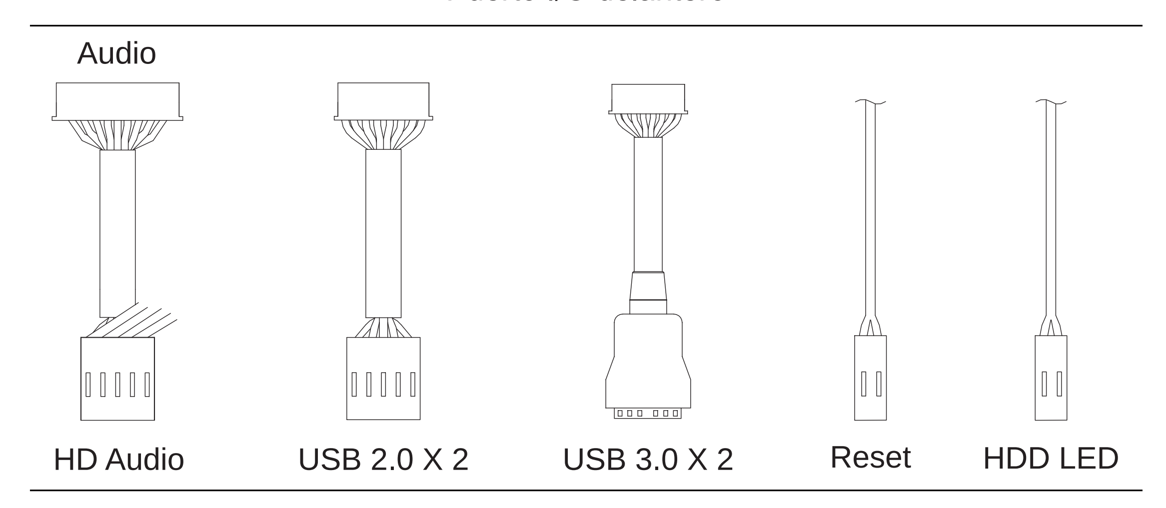
Al remover el HDD, remueva el perno y remueva después de jalar la palanca de fijacion.



	Perno E

(6) Conexión de Cable

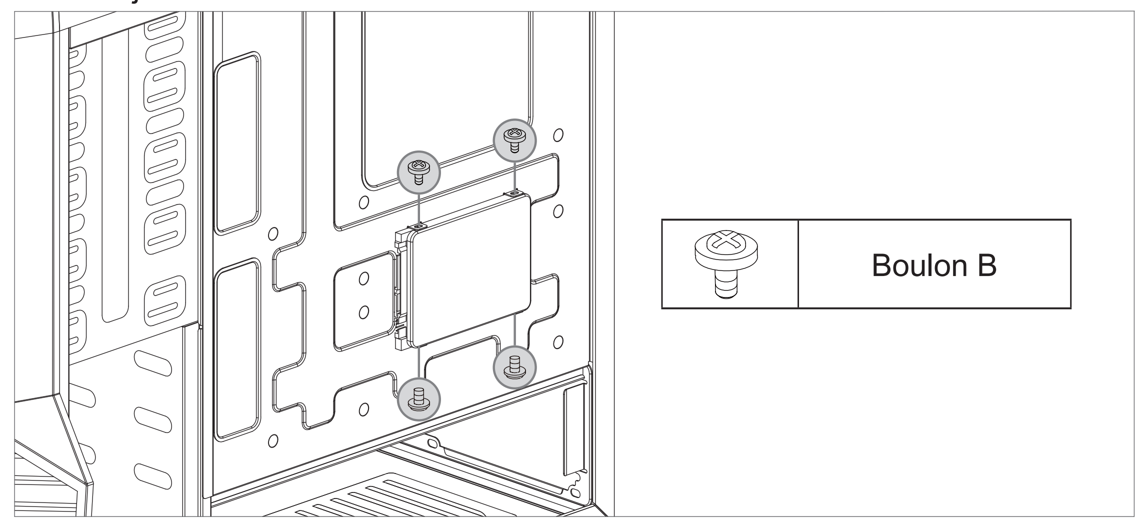




* Al conectar la potencia y puerto I/O, referir al manual de tabla madre

(7) Equipacion adicional de 2.5" HDD / SDD

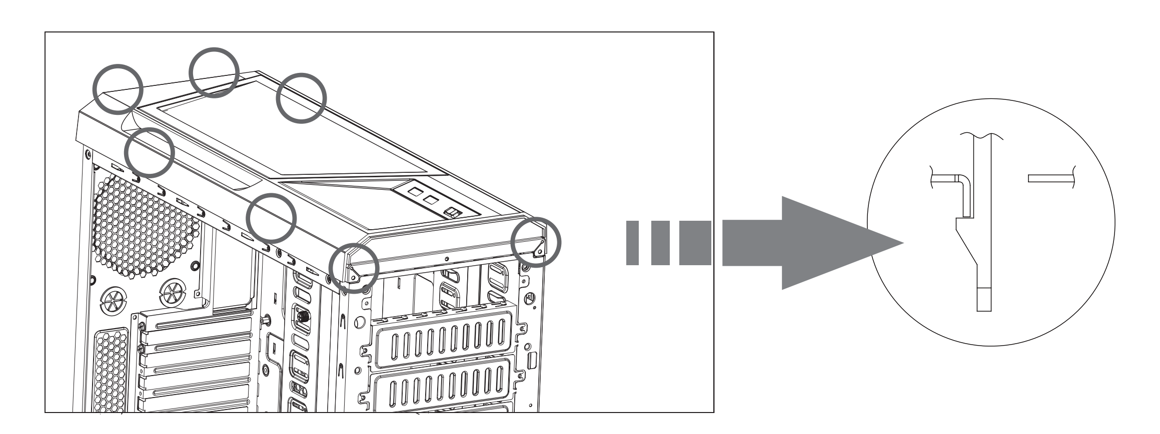
Puede usar equipando un SDD en el lateral derecho de la caja como se ve en el dibujo.



(8) Equipacion adicional o cambio de ventilador (opción)

Cambiar ventilador superior (120 / 140 mm posible de equipar)

Al cambiar/modificar el ventilador, remueva presionando el enganche (8) en el superior de la tapa hacia adentro e instalar como se ve en el dibujo. Z12 tiene equipado dos ventiladores de 120 mm como básico.





Zalman Tech Co., Ltd.
#1007 Daeryung Techno Town III, 448 Gasan-dong, Gumchun-gu, Seoul, 153-803,Korea
Tel: +82-2-2107-3232 / Fax: +82-2-2107-3322 / www.zalman.com / e-mail: zalman@zalman.com

Zalman USA, Inc.
13825 Norton Ave Building #12 Chino, CA 91710